

Work Order ID 63683

November 10, 2010 8:54:16 AM

Page 1

Item ID: D4176-1

Accept

Revision ID:

Item Name: 429 Clamp, Top

Start Date: 11/10/10 Start Qty: 30.00

Required Date: 11/15/10 Req'd Qty: 30.00

Reference:

Approvals:

Process Plan: *W*

Date:

Tooling:

Date:

Run Start

QC:

Date:

SPC (Y/N):

Date:

Stop

Sequence ID/
Work Center ID

Operation
Description

Set Up/
Run Hours

Tool ID

Tool #

Plan
Code

Accept
Qty

Reject
Qty

Reject
Number

Insp.
Stamp

Draw Nbr

Revision Nbr

D4176

A

100

0.00



Waterjet

FLOW CNC Waterjet

364 . 080

Memo

1-Cut as per Dwg

Dwg Rev: *A*

Prog Rev: *A*

2-Deburr if necessary

0.00

B10-11-11

(30)

110

QC2- Inspect parts off machine FAI/FAIB

0.00



QC

Quality Control

Memo

0.00

B10-11-11

Scrap Eng Lab
11.06.02

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Work Order ID 63683

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Item ID: D4176-1

Accept

Setup Start

Revision ID:

Item Name: 429 Clamp, Top

Stop

Start Date: 11/10/10 Start Qty: 30.00

Cust Item ID:

Required Date: 11/15/10 Req'd Qty: 30.00

Customer:

Reference:

Approvals:

Process Plan:

Date:

Tooling:

Date:

Run Start

QC:

Date:

SPC (Y/N):

Date:

Stop

Sequence ID/
Work Center ID

Operation
Description

Set Up/
Run Hours

Tool ID

Tool #

Plan
Code

Accept
Qty

Reject
Qty

Reject
Number

Insp.
Stamp

120

QC8- Inspect parts - second check

0.00

QC

Memo

0.00

Quality Control

130

Form as per dwg

0.00

Brake NC

Memo

0.00

Brake NC

140

QC5- Inspect part completeness to step on W/O

0.00

QC

Memo

0.00

Quality Control



count
30

30

count
30

SB 10/11/12

SB 10/11/16

SB 10/11/16

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Work Order ID 63683

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Page 3

Item ID: D4176-1

Accept

Revision ID:

Item Name: 429 Clamp, Top

Start Date: 11/10/10 Start Qty: 30.00

Required Date: 11/15/10 Req'd Qty: 30.00

Reference:

Cust Item ID:

Customer:

Approvals: Process Plan: Date: Tooling: Date:

QC: Date: SPC (Y/N): Date:

Run Start

Stop

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
150	Identify as per dwg & Stock, Location: <u>453</u>	0.00							
Packaging	Memo	0.00							
Packaging									
160	QC21- Final Inspection - Work Order Release	0.00							
QC	Memo	0.00							
Quality Control									

Cecilia/17 BU

OK 10/11/17 MF

10-11-17

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Picklist Print

November 10, 2010 8:54:15 AM

Page 1

Work Order ID: 63683

Parent Item: D4176-1

Parent Item Name: 429 Clamp, Top



Start Date: 11/10/10

Required Date: 11/15/10

Start Qty: 30.00

Required Qty: 30.00

Comments: IPP Rev:A 10.09.29 new issue DD verf:EC

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
M304S14GA		Purchased	No			100	sf	101.2108	0.0403	1.272632			



304SS sheet .080



1810-11-11

Location

Loc Qty

Loc Code

MAT20

101.2108

113295

101.2108

113295

(30)

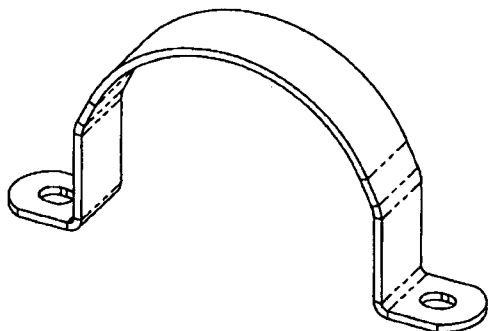
W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

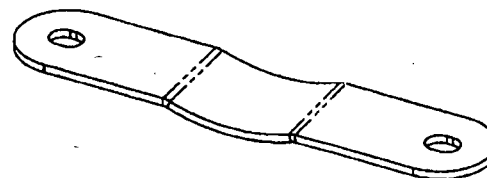
Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries



D4176-1 429 CLAMP, TOP



D4176-3 429 CLAMP, BOTTOM

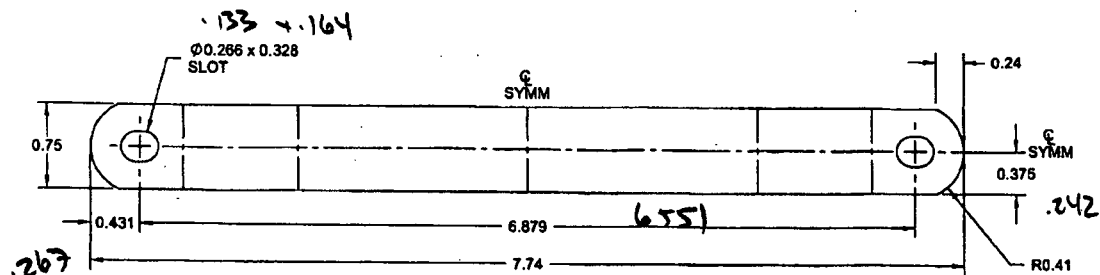
W/O 63683

RELEASED
2010-10-03
MB

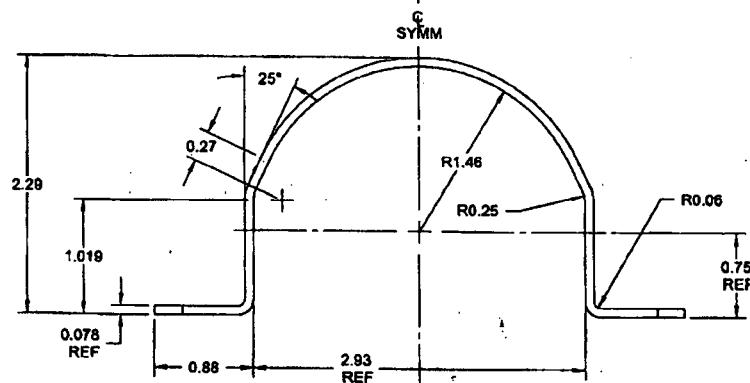
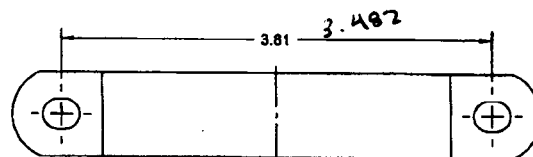
NOTES:

- 1) MATERIAL: AISI 304/316 STAINLESS STEEL SHEET ANNEALED 2B FINISH, 14 GAUGE (0.078 THICK)
PER AMS 5513 (304) OR 5524 (316) OR ASTM A240 OR ASME SA240
REF. DART SPEC. M304S14GA
- 2) FINISH: NONE
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: IDENTIFY WITH DART P/N "D4176-X" PER QSI 044 6.1
- 7) WEIGHT:
- D4176-1 = 0.12 lbs
- D4176-3 = 0.08 lbs

A		NEW ISSUE		MS	10.09.27
REV.		DESCRIPTION		BY	DATE
DESIGN		DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA			
DRAWN					
CHECKED		DRAWING NO.		REV. A	
MFG. APPR.		D4176		SHEET 1 OF 3	
APPROVED		TITLE		SCALE	
DE APPR.		429 CLAMP		NTS	
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D4176-1F 429 TOP CLAMP FLAT PATTERN

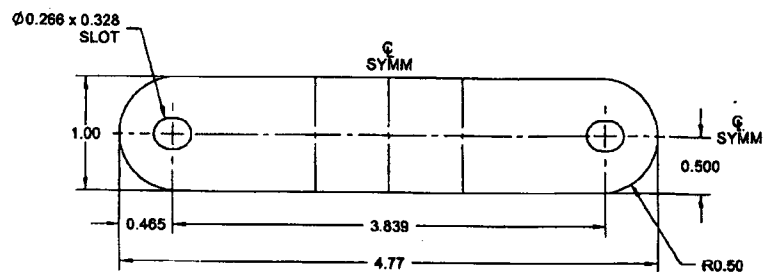


D4176-1 429 CLAMP, TOP
(MAKE FROM D4176-1F)

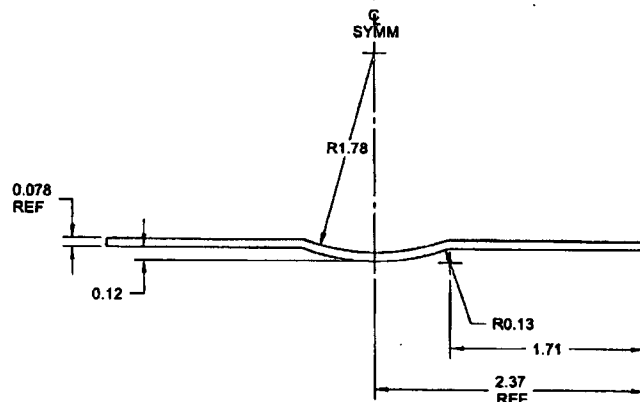
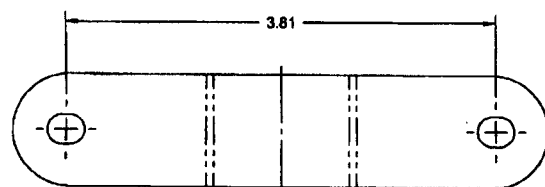
WLB 63683

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2010-10-07

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MFG. APPR.		D4176	SHEET 2 OF 3
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DE APPR.		429 CLAMP	NTS
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D4176-3F 429 BOTTOM CLAMP FLAT PATTERN



D4176-3 429 CLAMP. BOTTOM
(MAKE FROM D4176-3F)

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MFG. APPR.		D4176	SHEET 3 OF 3
APPROVED		TITLE	SCALE
DE APPR.		429 CLAMP	NTS.
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2010-10-03

63683